

AMENDMENTS TO THE CLAIMS

1. (Currently Amended) A redundant power supply ~~wirelessly~~ cable-lessly connected to a motherboard, using a card insertion mode to cable-lessly ~~wirelessly~~ connect at least two power supplies and a motherboard having a connection component for main computation and control, comprising:

a rear panel disposed at ~~the~~ a rear side of a power supply, ~~wherein the structure of the rear panel includes~~ including a first component ~~disposed on~~ and a second component, the first component facing the rear panel side of the power supply ~~for electrically connecting, the power supply being inserted into the first component in a first direction, a the second component facing the connection component of the motherboard, disposed on the rear panel of the power supply, and a third component for electrically connecting to the second component with the connection specification compatible with the second component the second component being received by the connection component of the motherboard in a second direction perpendicular to the first direction, whereby the foregoing components constituting~~ thereby forming cable-less connection between a the redundant power supply and the motherboard ~~requiring no wire material for its connection.~~

2. (Currently Amended) The redundant power supply ~~wirelessly~~ cable-lessly connected to motherboard of claim 1, wherein said first component is in a port and slot mode.

3. (Currently Amended) The redundant power supply ~~wirelessly~~ cable-lessly connected to motherboard of claim 1, wherein said second component is in a gold finger mode.

4. (Currently Amended) The redundant power supply ~~wirelessly~~ cable-lessly connected to motherboard of claim 1, wherein said ~~third~~ connection component is in a port and slot mode.

5. (Currently Amended) The redundant power supply ~~wirelessly~~ cable-lessly connected to motherboard of claim 1, wherein said rear panel further comprises a ~~fourth~~ third component connected to a circuit board, for connecting to a compatible the circuit board, and said circuit board has having one or more power ~~connectors~~ jacks for receiving an external power supply.

6. (Currently Amended) The redundant power supply ~~wirelessly~~ cable-lessly connected to motherboard of claim 1, wherein ~~said power supply is vertically and electrically coupled to said rear panel~~ the first direction is a direction parallel to a normal of the rear panel.

7. (Currently Amended) The redundant power supply ~~wirelessly~~ cable-lessly connected to motherboard of claim 1, wherein ~~said motherboard is horizontally and electrically coupled to said rear panel~~ the second direction is a direction perpendicular to a normal of the rear panel.

8. (Currently Amended) The redundant power supply ~~wirelessly cable-lessly~~ connected to motherboard of claim 1, ~~wherein further comprising a casing,~~ said casing for accommodating said redundant power supply ~~comprises~~comprising:

a main rack, the main rack including a front panel, a ~~rear-back~~ panel, ~~and~~ a bottom panel, ~~and~~ two side panels defining an upper space and a lower space, ~~and~~ a plurality of accessing spaces being defined by tracks in said upper space and lower space for accommodating a plurality of data storage units and power supplies, and a first fixing plate having a first fixing pillar being bent from the inner edge of the two side panels;

a secondary rack, having a second fixing plate ~~disposed on two sides~~ coupled to the two sides panels and being bent and extended from said lower space, and a second fixing pillar ~~disposed on said secondary rack~~ for coupling to a the rear panel with an ~~installed~~the power supply; and

an upper partition; installed above said two side panels, ~~and~~ an insert opening being disposed on said upper partition at ~~the~~ a position of said first fixing plate ~~of said two side panels,~~ such that the motherboard being inserted from the insert opening to ~~couple~~ receive the second component of said rear panel and being mounted on said second fixing pillar of said second fixing plate; ~~by mean of a first component disposed on the rear panel of said power supply for electrically connecting each power supply, a second component disposed on the rear panel of said power supply, and a third component for electrically connecting to said second component with the connection specification compatible with said second component, a redundant power supply being constituted without requiring any wire material for its connection.~~

9. (Currently Amended) The redundant power supply ~~wirelessly~~cable-lessly connected to motherboard of claim 8, wherein said secondary rack comprises a fixing hole and a protruded fixing pillar disposed on said bottom panel corresponding to the position of said fixing hole.

10. (New) The redundant power supply cable-lessly connected to motherboard of claim 8, wherein the secondary rack has an opening and the rear panel further comprises a third component, a circuit board being inserted through the opening of the secondary rack and being received by the third component of the rear panel, the circuit board having one or more power jacks for receiving an external power supply.

11. (New) A redundant power supply cable-lessly connected to a motherboard, using a card insertion mode to cable-lessly connect at least two power supplies and a motherboard having a connection component, comprising:

a rear panel disposed at a rear side of a power supply, the rear panel including a first component and a second component, the first component facing the rear side of the power supply, the power supply being inserted into the first component in a first direction parallel to a normal of the rear panel, the second component facing the connection component of the motherboard, the second component being received by the connection component of the motherboard in a second direction perpendicular to the first direction and perpendicular to a normal of the rear panel, thereby forming cable-less connection between the redundant power supply and the motherboard.